

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **11025294 A**

(43) Date of publication of application: 29 . 01 . 99

(51) Int. Cl

G06T 17/40
G06F 3/033

(21) Application number: **09174385**

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(22) Date of filing: 30 . 06 . 97

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(54) **THREE-DIMENSIONAL SHAPE INDICATING
DEVICE, ITS METHOD AND COMPUTER
READABLE RECORDING MEDIUM RECORDING
THREE-DIMENSIONAL SHAPE INDICATING
PROGRAM**

projected image of a shape element and an projected
image of the cursor indication point on each
two-dimensional projected surface which is calculated
by the means 6.

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(57) Abstract:

PROBLEM TO BE SOLVED: To efficiently and also fast indicate a three-dimensional shaped model in a CAD system, etc., by utilizing a projected image of a three-dimensional space which is projected on plural two-dimensional projected surfaces with plural view points as reference to decide an indication object.

SOLUTION: A position indicating means 1 consists of a three-dimensional mouse which indicates an optional position in a three-dimensional virtual space that is created in a computer through a cursor indication, etc. An image projecting means 2 projects a three-dimensional shaped model in the three-dimensional space on plural two-dimensional projection surfaces. A relative position calculating means 6 calculates the relative position of a projected image of a shape element and a projected image of a cursor indication point in each two-dimensional projected surface when an interference checking means 5 decides that the projected image of a cursor indication point which is projected by the means 2 interferes with the image of the three-dimensional shaped model. A data processing means 7 seeks an indication object based on the relative position of a

